Keeping up the Challenge: Tools to Create and Fund Your Green Projects & Inspire Community Action

AGENDA

- Mike Eichhorn, USGBC Green Schools Committee, FGM Architects
- Lyndl Schuster, River Trails School D26
- Meta Dunn, District 26 Community Member & Parent
- Josh Hatch, Euclid Elementary 3rd Grade Teacher
 - River Trails D26 Green School Committee A Story of Success
- Rose Jordan, Midwest Energy Efficiency Alliance
 - Green to the Core How to Leverage IL State Funding
- Cynthia Nielsen-Morgan , Shift2Green
 - Shift To Green Shifting Behaviors with Green Fundraising
- Questions and Answers





River Trails SD26 Goes Green

Euclid School and Indian Grove School

Illinois Green Ribbon Schools

1st and 2nd in State 2013

U.S. DEPARTMENT OF EDUCATION



3 Pillars:

Environmental Impact and Energy Efficiency

Healthy Environments Environmental Literacy

www2.ed.gov/programs/green-ribbon-schools

Pillar One Environmental Impact and Energy Conservation

Starts with basic data gathering:

- University of Illinois SEDAC Facility Audit
 - DCEO Energy Grants
- LEED for Schools Architect Checklist
- EPA Energy Star School
- LEED EB Existing Buildings
- School Dude

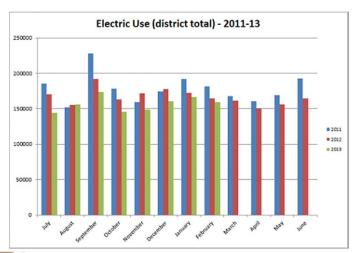
Follow and Record your own Process Flexibility

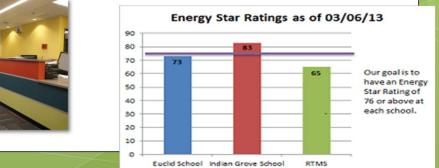
ENERGY SAVING TOOLKIT **ENERGY SAVINGS IDEAS AND OPPORTUNITIES** FOR YOUR SCHOOL DISTRICT SEDAC MAINTENANCE BEHAVIORAL CHANGES AUDIT LIGHTING DEVELOP RECYCLING PROGRAM Replace exterior & interior light sources with LED, Reduce garbage hauling costs and fluorescent & CFL bulbs reduce impact on landfills Free Building Energy Install occupancy sensors DEVELOP EDUCATION PROGRAM Assessment ELECTRICAL Reduce daily lighting, water and electrical usage Install powerstrips and Vending Misers CHANGE PRINTER DEFAULTS Set to double sided to reduce paper usage Install low-flow plumbing fixtures Reduce outdoor irrigation **UTILIZE WINDOW SHADES** Reduce solar heat gain Install programmable thermostats, insulation & caulking GRANTS **Retro Commissioning** Improve the efficiency of operating systems with a focus on building controls and HVAC systems DCEO Department of Commerce & Economic **Appliance Replacement** Replace appliances with Energy Star products Grants and rebates for electrical and natural gas efficiency improvements and **Alternative Stormwater Collection** renewable energy implementation Install rain gardens, rain barrels, bio-swales, etc. IGIG Illinois Green Infrastructure Grants **Planting of Shade Trees** Grants for controlling stormwater runoff Plant shade trees on the south and west of building exposures to reduce heat gain for water quality protection in Illinois LEED | Green Globe Registration of School Green Ribbon Application Addition of Photovoltaic & Wind Energy New Roofing with Reflective Coating HVAC Replacement

Pillar One Environmental Impact and Energy Conservation

- Lighting retrofit and occupancy sensors
- Limit electrical appliances, timers on computers
- HVAC computer controlled
- White SEBS roofing high reflectivity
- Reduced paper and printing consumption
- Water conservation no irrigation, renovated washrooms
- Recycling
- Walking and biking
- Green cleaning products
- Bio-diesel buses







Pillar 2 Healthy Environments

- Green Cleaning Products
- Windows in every classroom –
 Natural light and ventilation
- Fresh fruit and vegetable salad bar
- USDA Healthier US School Challenge Awards
- PE Daily and Outdoors whenever possible
- 'Wellness Policy and Committee'





Healthy Environments

<u>VOC's</u> (Volatile organic compounds) Indoors are emitted as gases from a variety of building materials

Natural Light and **Ventialtion**



Green Cleaning

- Mandatory in Illinois
- Reduce contaminants in building with little environmental impact

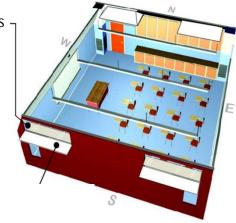
'Green Classroom **Professional** Certificate Program'

For teachers to foster best practices in own classroom

Certificate Class at Fall Symposium & online



Windows



Pillar 3 Environmental Literacy

Teaches recycling and sustainability practices













Innovation & Design



School as a Teaching Tool

- LEED credit for developing a curriculum based on the building as a 'teaching tool', specifically "the relationship between human ecology, natural ecology, and the building".
- Have a way to track the building energy/ water usage

Stewardship



Community Involvement

• Illinois Green Apple Day of Service









It Takes a Village

El Jardin De Los Suenos The Garden of Dreams



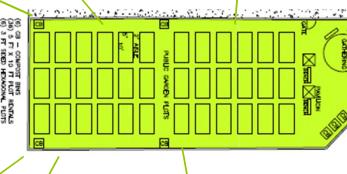
FGM ARCHITECTS





















Girl Scouts_®

Community Involvement

- Green Challenge Project
 - Building the Garden
 - Purple Asparagus 1st Grade Nutrition Classes
 - Community Classes
 - Cooking
 - Gardening







Green Schools Community Committee Established:

- District Administration
- School Board
- Park District
- Village of Mt Prospect
- Mt Prospect Chamber of Commerce
- Legislature
- Parents
- Teachers
- Other Community Library, Architect, Energy Companies, Custodial Supply Company



Green Schools Community Committee

Mission

River Trails Green Schools will lead the way in promoting environmental sustainability within our community and schools by inspiring our students and staff to protect the environment and be responsible global citizens.

Vision

- Empower students and the community to understand their natural world and their impact on it.
- Provide opportunities for students to make connections between the science they learn and the science they experience in their natural environment.
- Create opportunities for the community and school to understand how people, energy, and the environment are dynamically interrelated.
- Promote the health and well-being of students, staff, and community.
- Instill a sense of respect and ownership of one's environment that fosters advocacy and activism.

Green Schools Community Committee

Subcommittees

- Education
- Garden
- Student Involvement/Civic Engagement
- Public Relations/Collaboration



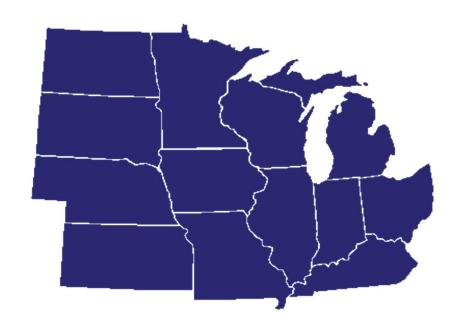




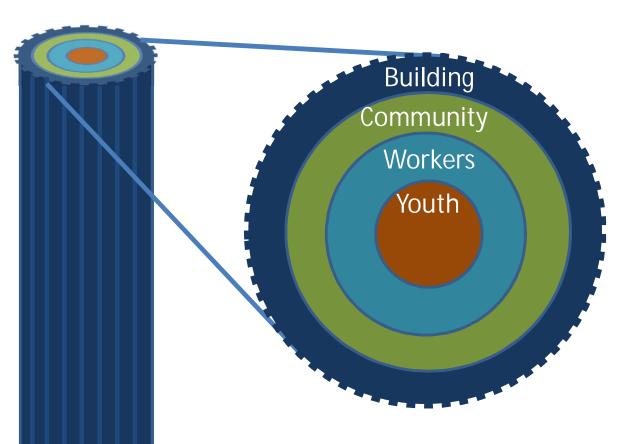


Midwest Energy Efficiency Alliance

MEEA is a nonprofit organization bridging the gap between energy efficiency policy development & program implementation









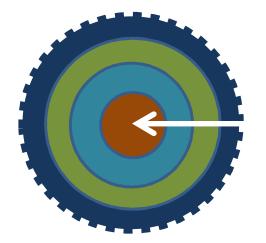




Fortifying any layer strengthens the whole pillar

Together, MEEA's integrated suite of school efficiency programs touch all layers





PRESENTATIONS

Lights for Learning®

The difference between school and life? In school, you're taught a lesson and then given a test. In life, you're given a test that teaches you a lesson.

Tom Bodett



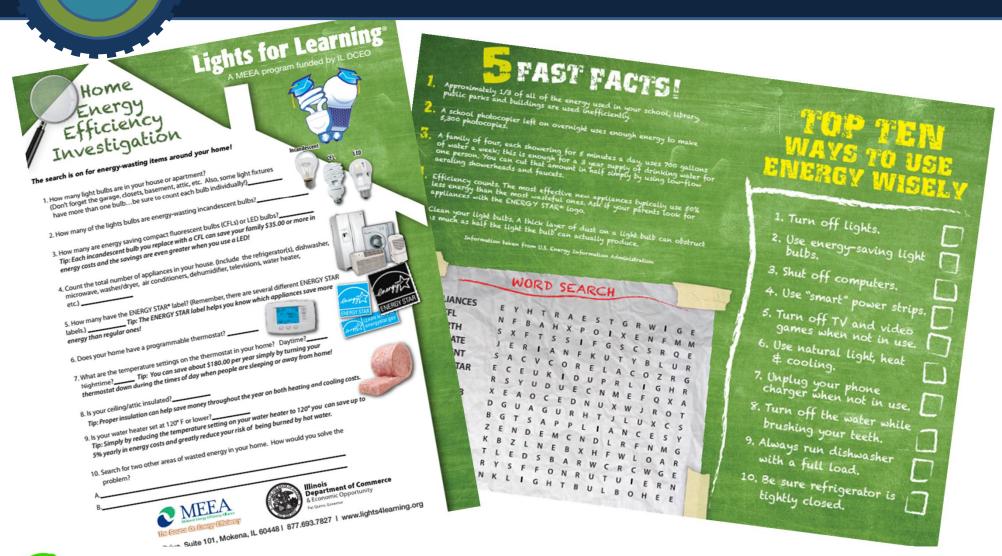
Lights for Learning® Presentations



- 1. Where does our energy come from?
- 2. How much does it cost?
- 3. Where is it wasted?
- 4. How can we use energy efficiently?
- 5. How do we choose and use efficient products?
- 6. What is renewable energy?



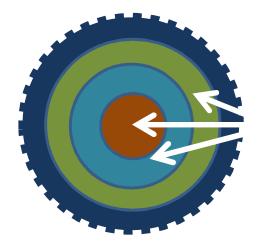
Lights for Learning® Presentations











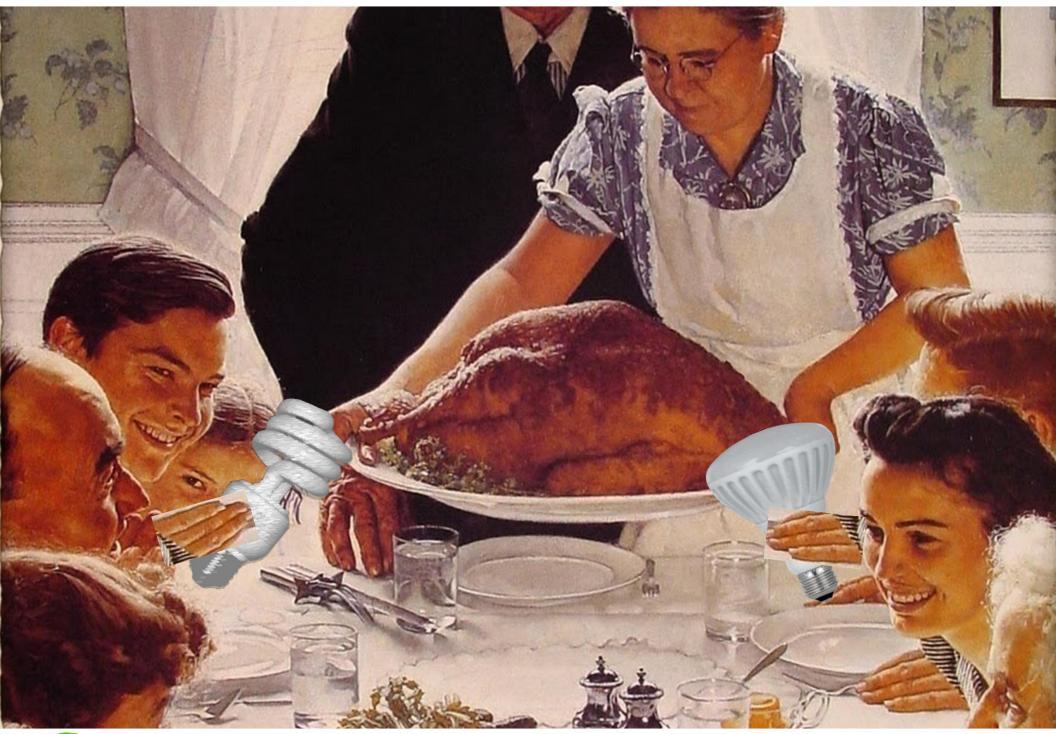
Fundraising

Lights for Learning®

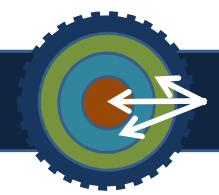
"It's easy to make a buck. It's a lot tougher to make a difference."

Tom Brokaw









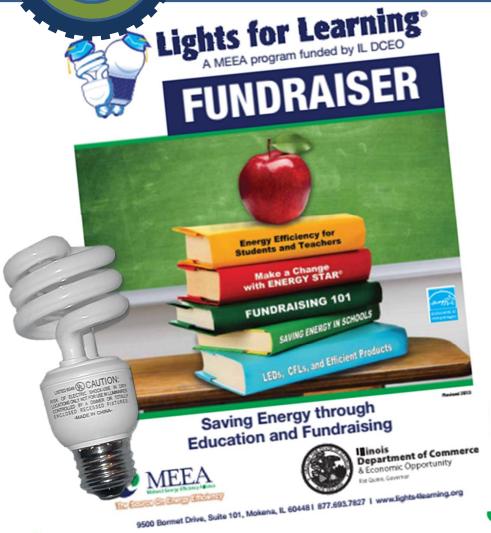
Lights for Learning® Fundraisers

- Schools keep 50% of all profits
- Buyers pay below-market prices for high quality products
- Youth learn about efficiency

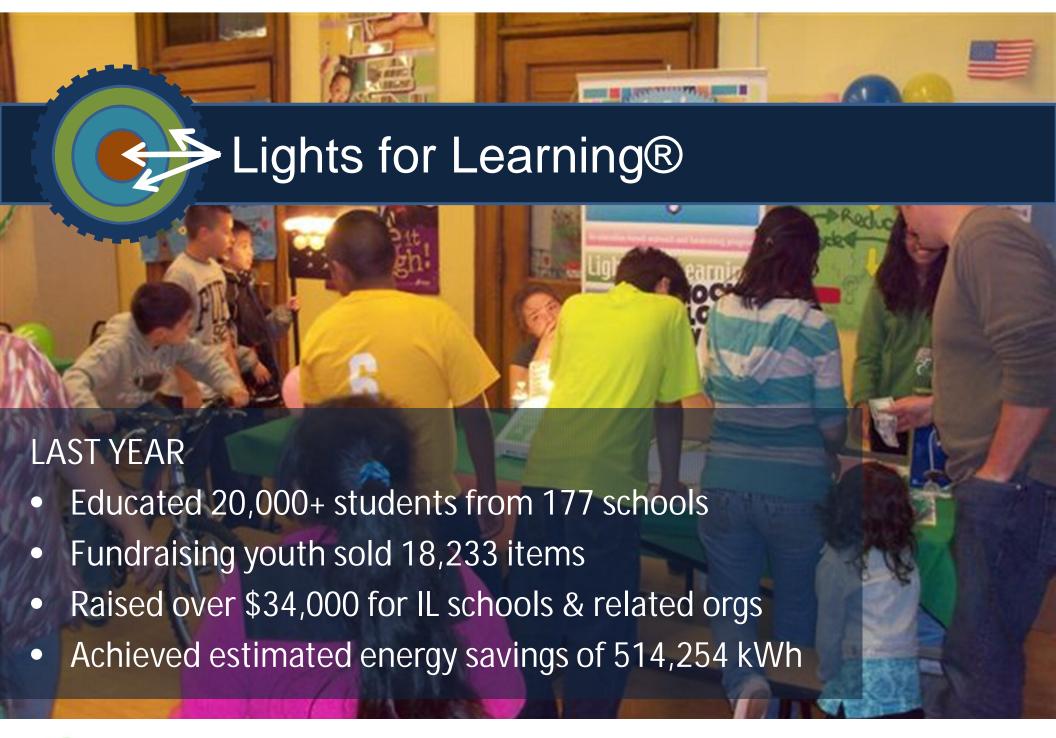




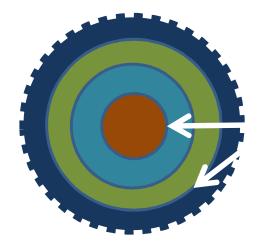
Lights for Learning® Fundraisers











The Building

Savings Through Efficient Products Building Operator Certification

It is much easier to put existing resources to better use, than to develop resources where they do not exist.

George Soros



Savings Through Efficient Products

SIMPLE PROCESS

- 1. Schedule a free energy assessment
- 2. Receive free products
- 3. Install products within 3 months of receipt
- 4. Confirm installation
- Receive comprehensive report with additional opportunities for savings











Savings Through Efficient Products



DCEO Standard Program
DCEO Custom Program
Building Operator Certification
Lights for Learning®
New Construction Program
Retro-commissioning
Boiler Tune-up
Green Nozzle Program
SEDAC Assessment







Fundraising with Products or Services that Benefit our Health and/or the Environment with proceeds benefitting one or more parties

Powered by Inspiration and Global Citizens like You

Why the Need for Green Fundraising?



As a community and as global citizens, we have a social responsibility to develop programs and services that support our communities and the environment.

Schools, Churches, Parks, Recreation, Sports, Teen Centers

Consider the Facts

- Childhood obesity has more than tripled in the past 30 years...
- Childhood Asthma rates have increased 4 times in the past 30 years due to air pollution.
- Bottled Water produces 1.5 million tons of plastic waste and requires 47 million gallons of oil per year.
- Close to 50% of electricity used by industry is for lighting, and in homes, up to 25 percent of our electric bill is for lighting.
- Each person generates over ten tons of greenhouse gases per year just by driving our cars, washing our clothes and turning on our lights.
- More than two billion household batteries are disposed of each year and those are only the ones that are sent to landfills. If they were taken to recyclers instead, many health risks would be avoided.



Our Actions Have Consequences



The Benefits of Green Fundraising



- Raises awareness around key issues that effect our communities like Climate Change Pollution, Harmful Chemicals, Food Safety, Clean Energy Alternatives, Social Justice, and more.
- Supports the growing interest and demand for affordable, healthier alternatives



The Next Generation

- A viable alternative to traditional fundraising
- A viable strategy for implementing behavior changes that support healthier lifestyles
- Supports local economic development
- Fosters Innovation, and can inspire and motivate people into action

Green Products

- BPA Free Water Bottles
- Reusable Bags
- Compostable Garbage Bags
- Organic Apparel
- Energy Saving Products
- Spirit Wear

- Inspiration Books & Music
- Recycled Accessories
- Fair Trade Foods & Crafts
- Chemical Free Skin Care
- Chemical Free Cleaners
- Green Apparel











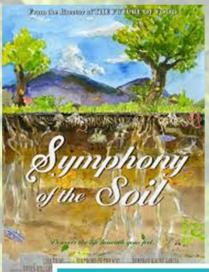


Extend Learning Opportunities

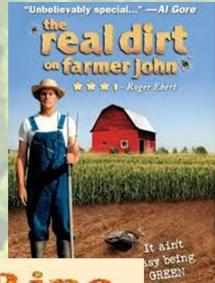
- Rain Barrels
- Compost Bins
- Recycling Bins
- Food Literacy
- Cooking
- Student Kitchens
- Solar Panels
- Wind Power
- Energy Audits
- Farm Field Trips

- Bike Racks
- Recycled Paper
- Gardens
- Native Landscaping
- Benches & Tables
- Microscopes
- Magnifying Glasses
- Seed Banks
- Support CSA



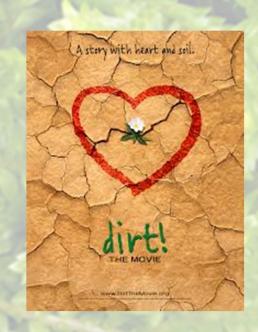




























700+ Plants started - Sold in 2 Days!





Remember...

Every time you make a purchase you're casting a vote for change.









































www.shift2green.us

Cynthia Nielsen-Morgan, CSM Your Change Agent P. 773-800-9174 Shift2GreenNow@gmail.com



Ready to Inspire *Your* Community to Action?

Questions or Comments? Please Share Your Own Success Stories!

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